

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081219\
 Data File : VL034106.D
 Acq On : 12 Aug 2019 16:34
 Operator : SY/AP
 Sample : K4185-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BP-VPB203-AIR-DW-20190805DL

Manual Integrations
 APPROVED

MMDadoda
 8/16/2019 8:54:25 AM

Quant Time: Aug 13 05:20:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 0
 QLast Update : Mon Aug 05 17:09:48 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	1250588	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.24	114	2332177	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.18	117	2399116	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.51	95	2052536	10.54	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.63	45	36713	1.528	ppbv	98
15) Acetone	3.87	43	121459	0.680	ppbv	99
20) Methylene Chloride	4.37	84	16577	0.309	ppbv	91
26) Hexane	5.74	57	21707m	0.146	ppbv	

(#) = qualifier out of range (m) = manual integration (+) = signals summed

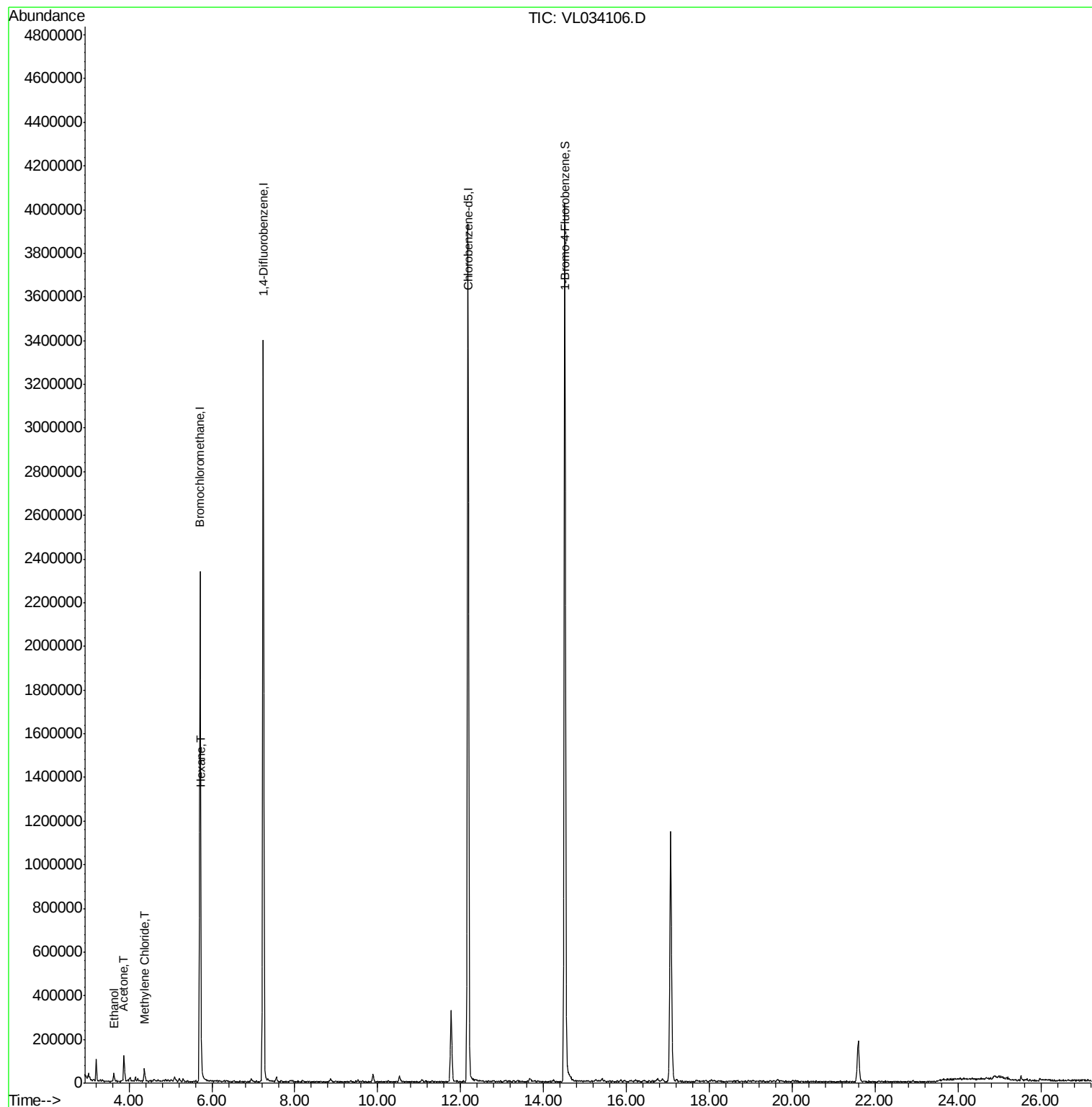
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081219\
Data File : VL034106.D
Acq On : 12 Aug 2019 16:34
Operator : SY/AP
Sample : K4185-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

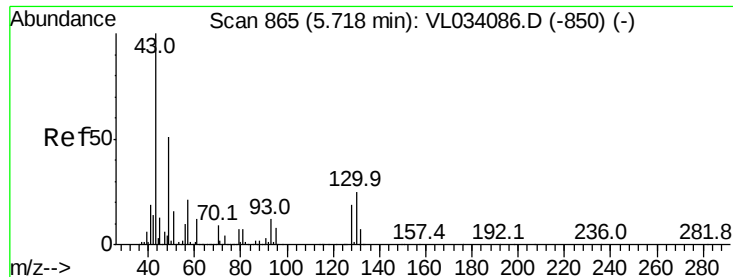
Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-DW-20190805DL

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:54:25 AM

Quant Time: Aug 13 05:20:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug
QLast Update : Mon Aug 05 17:09:48 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 864

Delta R.T. -0.00 min

Lab File: VL034106.D

Acq: 12 Aug 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB203-AIR-DW-20190805DL

Tot Ion: 49 Resp: 1250588

Ion Ratio Lower Upper

49 100

128 38.6

130 48.5

19.5

25.4

58.5

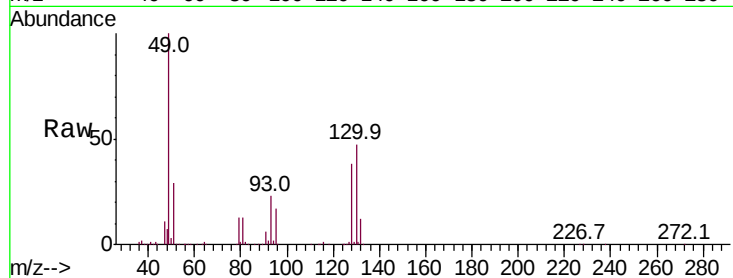
76.0

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:54:25 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

800000

600000

400000

200000

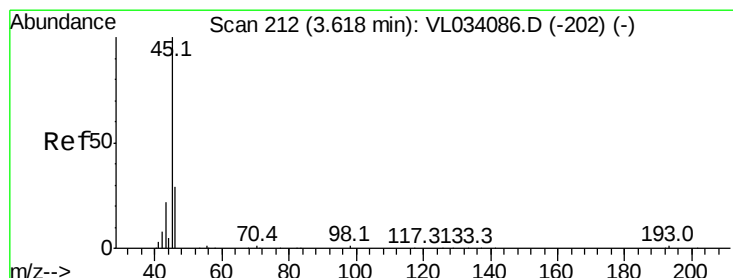
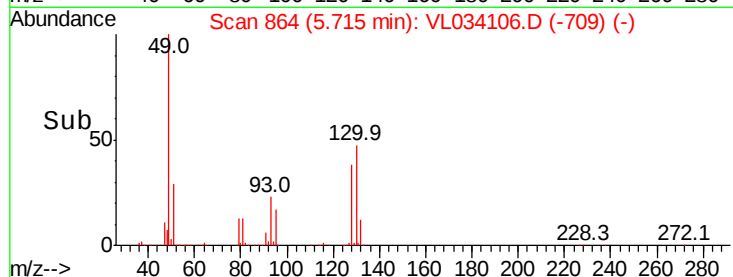
0

5.65

5.70

5.75

Time-->



#13

Ethanol

Concen: 1.528 ppbv

RT: 3.63 min Scan# 217

Delta R.T. 0.02 min

Lab File: VL034106.D

Acq: 12 Aug 2019 16:34

Tgt Ion: 45 Resp: 36713

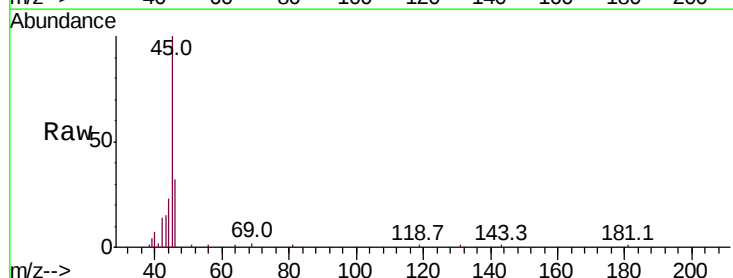
Ion Ratio Lower Upper

45 100

46 38.4

14.9

59.5



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

25000

20000

15000

10000

5000

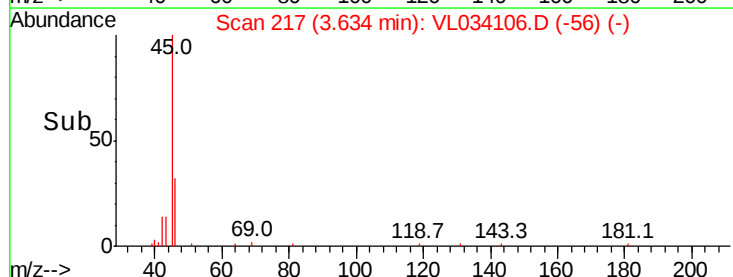
0

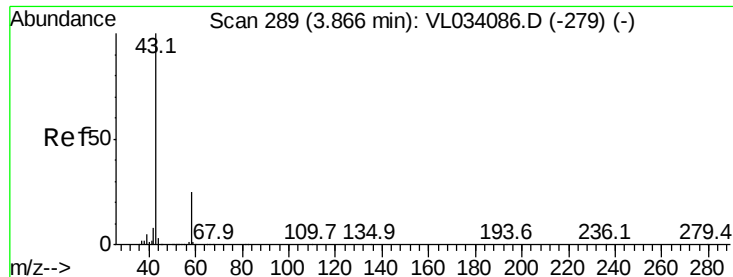
3.60

3.65

3.70

Time-->





#15

Acetone

Concen: 0.680 ppbv

RT: 3.87 min Scan# 291

Delta R.T. 0.01 min

Lab File: VL034106.D

Acq: 12 Aug 2019 16:34

Instrument :

MSVOA_L

ClientSampleId :

BP-VPB203-AIR-DW-20190805DL

Tot Ion: 43 Resp: 121459

Ion Ratio Lower Upper

43 100

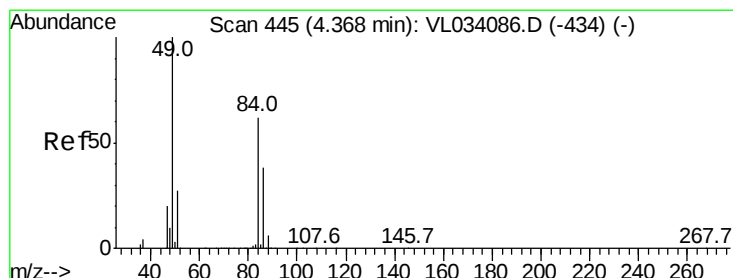
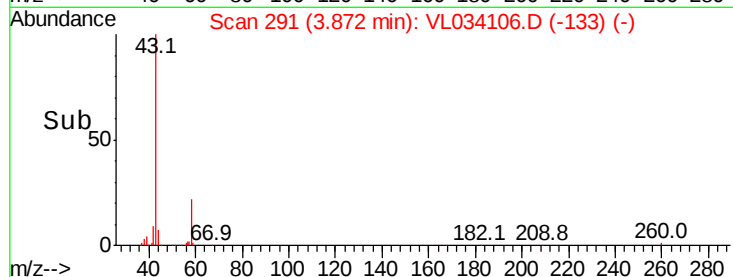
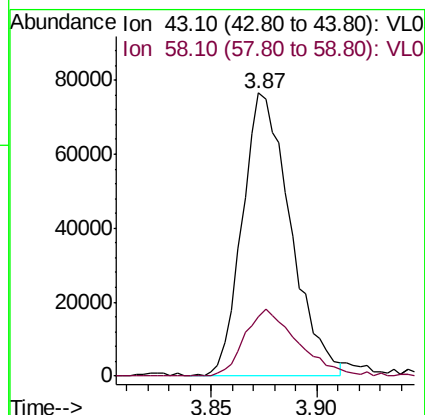
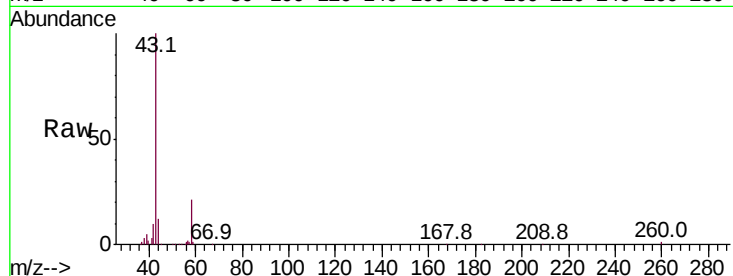
58 26.4 20.6 30.8

Manual Integrations

APPROVED

MMDadoda

8/16/2019 8:54:25 AM



#20

Methylene Chloride

Concen: 0.309 ppbv

RT: 4.37 min Scan# 446

Delta R.T. 0.00 min

Lab File: VL034106.D

Acq: 12 Aug 2019 16:34

Tgt Ion: 84 Resp: 16577

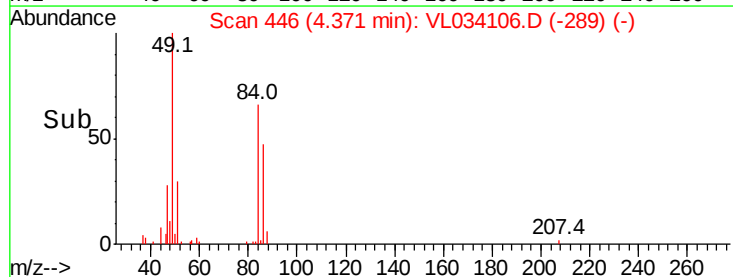
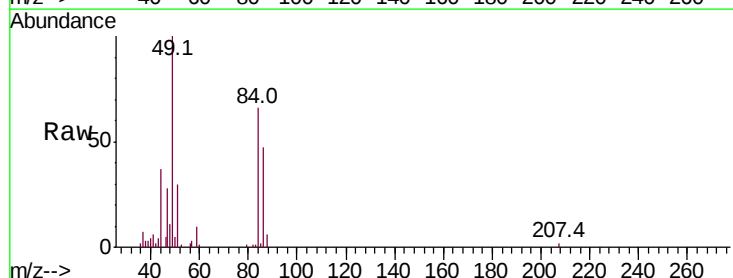
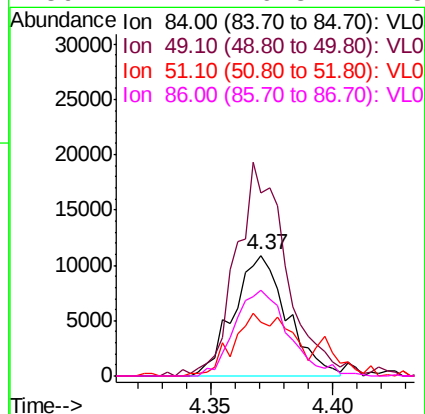
Ion Ratio Lower Upper

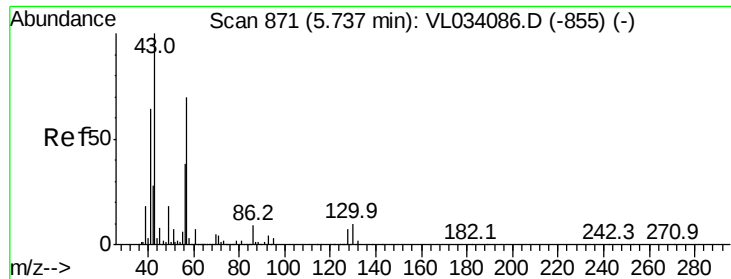
84 100

49 149.0 129.7 194.5

51 43.2 35.8 53.8

86 71.4 49.8 74.8





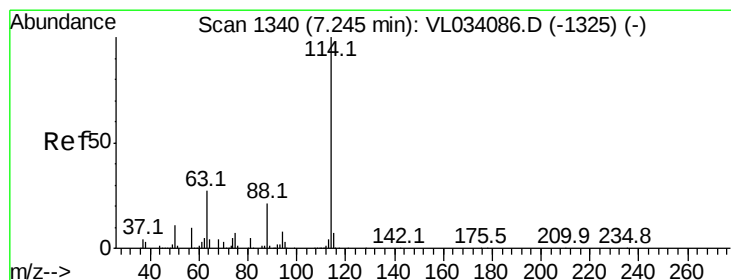
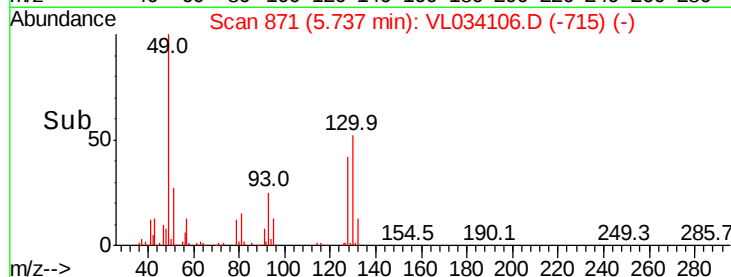
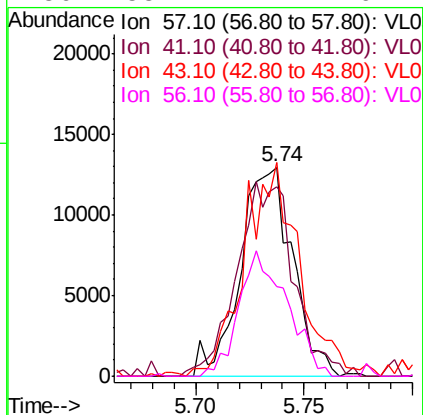
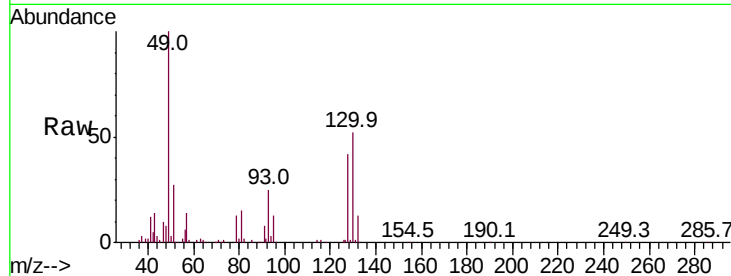
#26
Hexane
Concen: 0.146 ppbv m
RT: 5.74 min Scan# 871
Delta R.T. 0.00 min
Lab File: VL034106.D
Acq: 12 Aug 2019 16:34

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-DW-20190805DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	102.8	75.7	113.5
43	109.2	189.8	284.8#
56	55.4	42.7	64.1

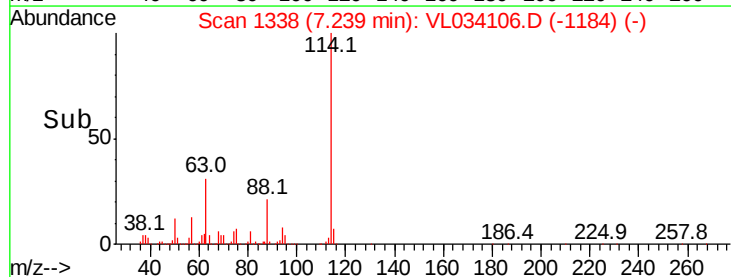
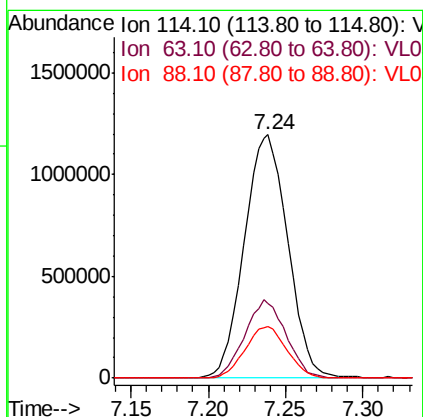
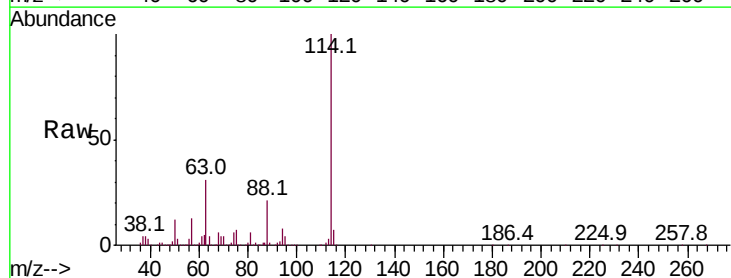
Manual Integrations
APPROVED

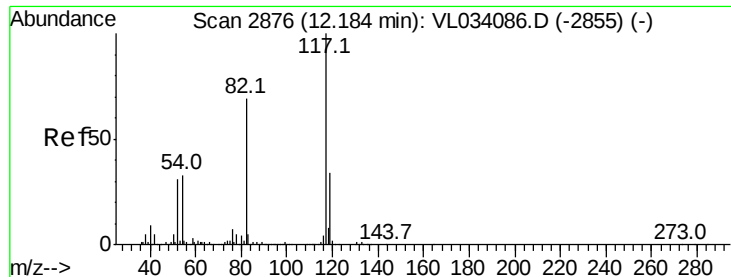
MMDadoda
8/16/2019 8:54:25 AM



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.24 min Scan# 1338
Delta R.T. -0.01 min
Lab File: VL034106.D
Acq: 12 Aug 2019 16:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	30.5	22.5	33.7
88	20.7	15.7	23.5





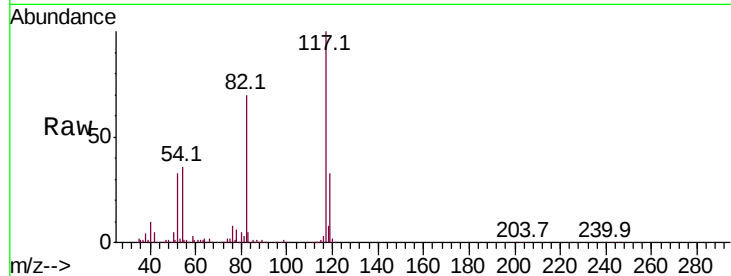
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.18 min Scan# 2874
Delta R.T. -0.01 min
Lab File: VL034106.D
Acq: 12 Aug 2019 16:34

Instrument :
MSVOA_L
ClientSampleId :
BP-VPB203-AIR-DW-20190805DL

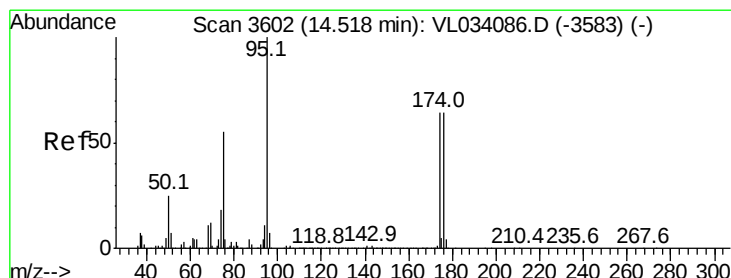
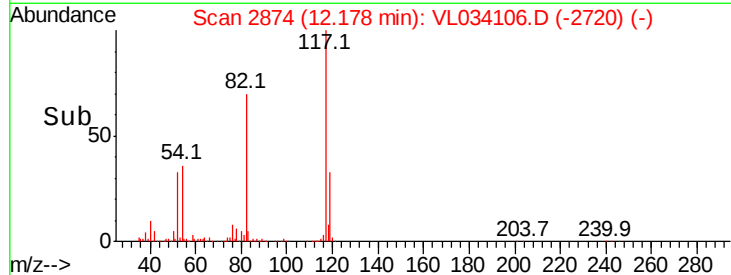
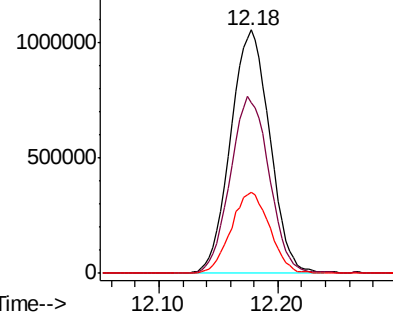
Tot Ion	Ratio	Lower	Upper
117	100		
82	72.4	52.2	78.4
119	32.9	44.8	67.2

Manual Integrations
APPROVED

MMDadoda
8/16/2019 8:54:25 AM

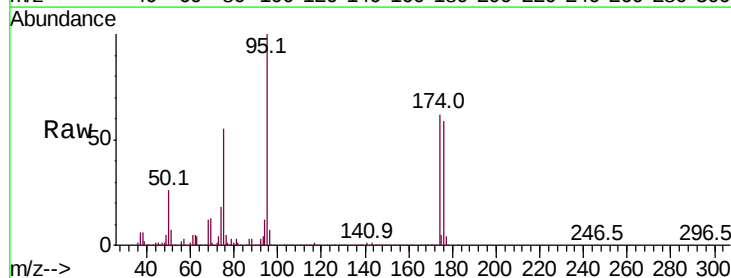


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.544 ppbv
RT: 14.51 min Scan# 3600
Delta R.T. -0.01 min
Lab File: VL034106.D
Acq: 12 Aug 2019 16:34

Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.1	53.0	79.6
175	4.5	4.2	6.2



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

